

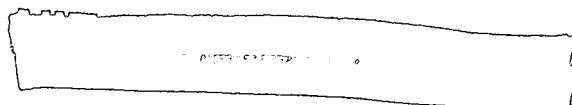


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ANALYSIS  
DIVISION

PIR

PHOTOGRAPHIC INTELLIGENCE REPORT



CHINESE POWER PLANTS

INNER MONGOLIAN AUTONOMOUS REGION

Declass Review by  
NIMA/DOD



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CIA/PIR 65106

DATE MAR. 1966

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CIA IMAGERY ANALYSIS DIVISION

## CHINESE POWER PLANTS

### INNER MONGOLIAN AUTONOMOUS REGION

- (A) Pao-tou Thermal Power Plant No. 1
- (B) Pao-tou Thermal Power Plant No. 2
- (C) Pao-tou Thermal Power Plant No. 3

REQUIREMENT

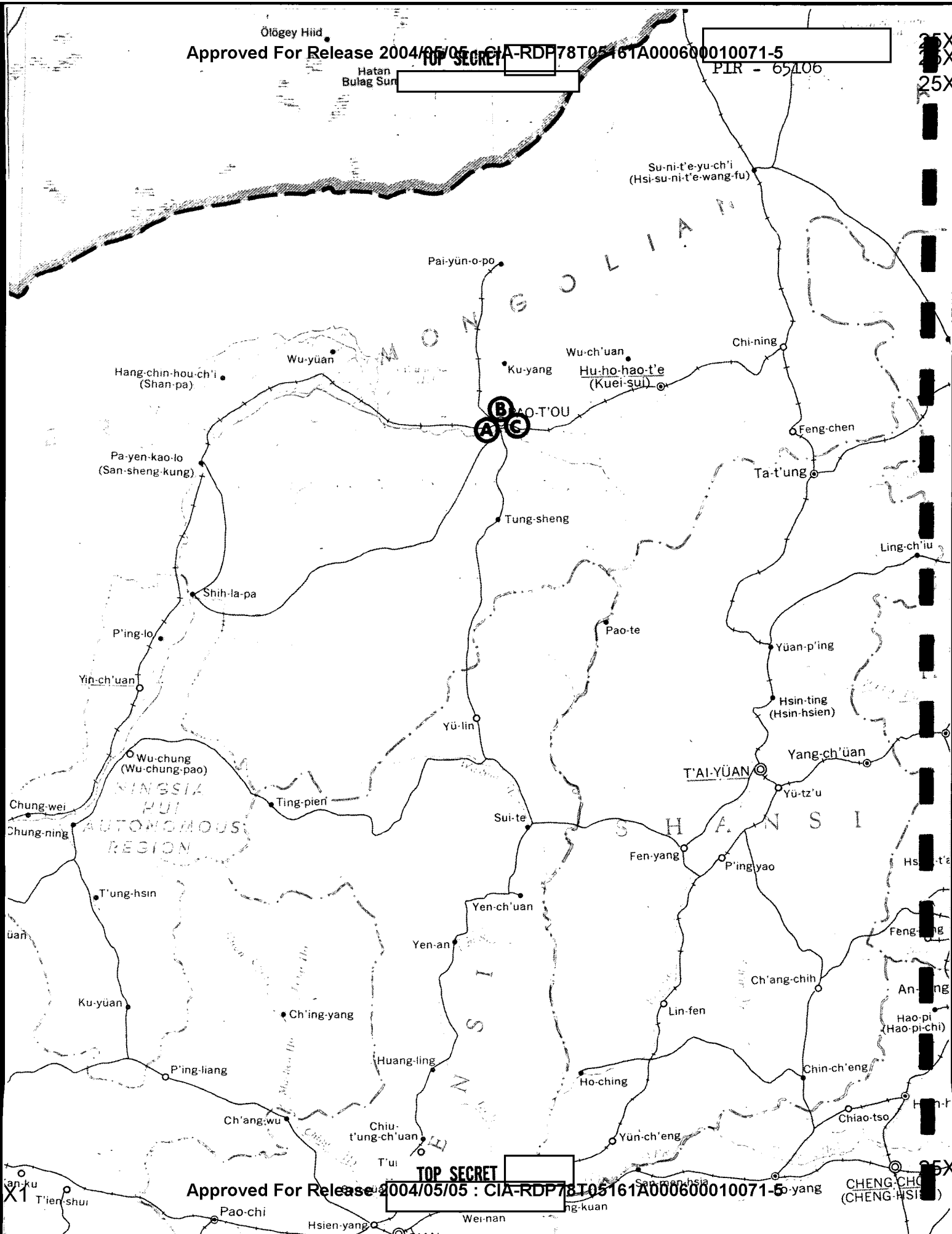
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PAO-TOU THERMAL POWER PLANT NO. 1

NPIC NUMBER - 13-0

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The Pao-tou Thermal Power Plant No. 1 is located within the Pao-tou Iron and Steel Complex at coordinates 40 40 10N - 110 47 00E. The plant is coal operated, rail-served and includes three large natural draft masonry cooling towers, two control houses with at least two transformers, and extensive coal handling and treatment facilities.

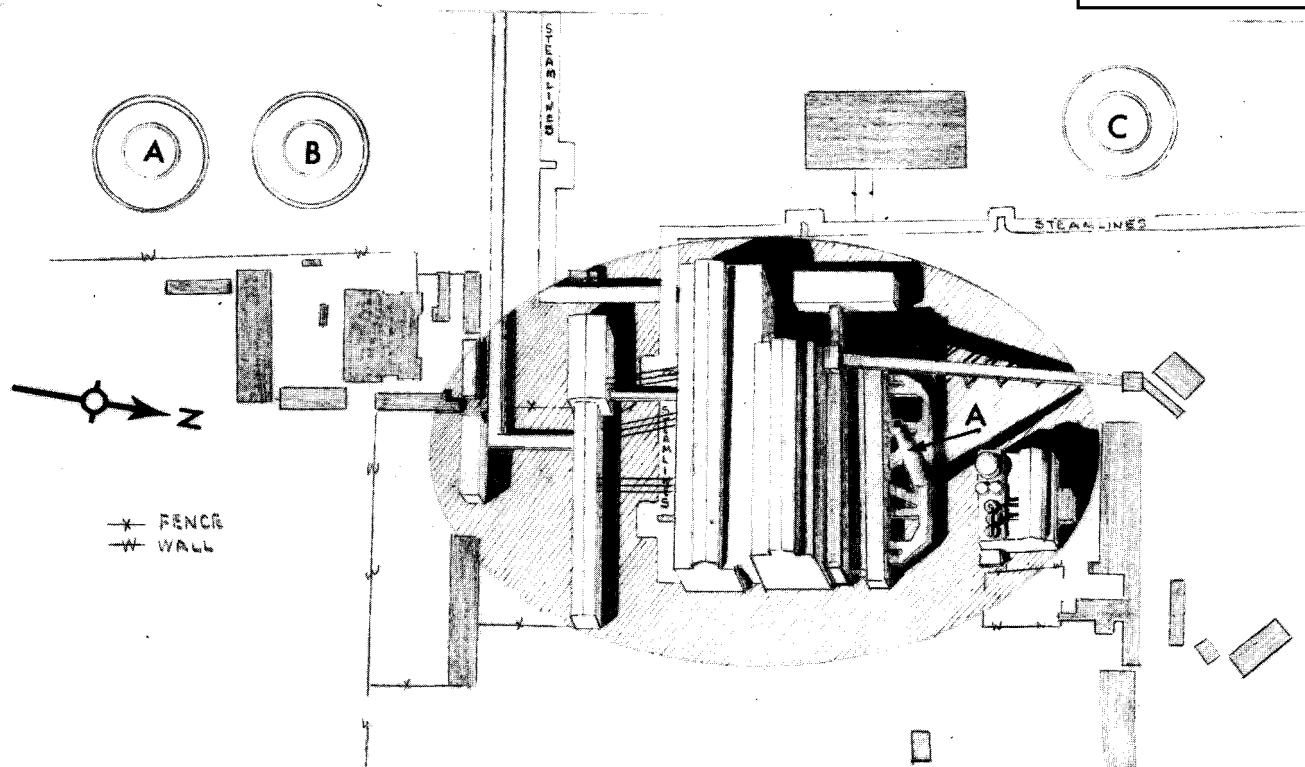
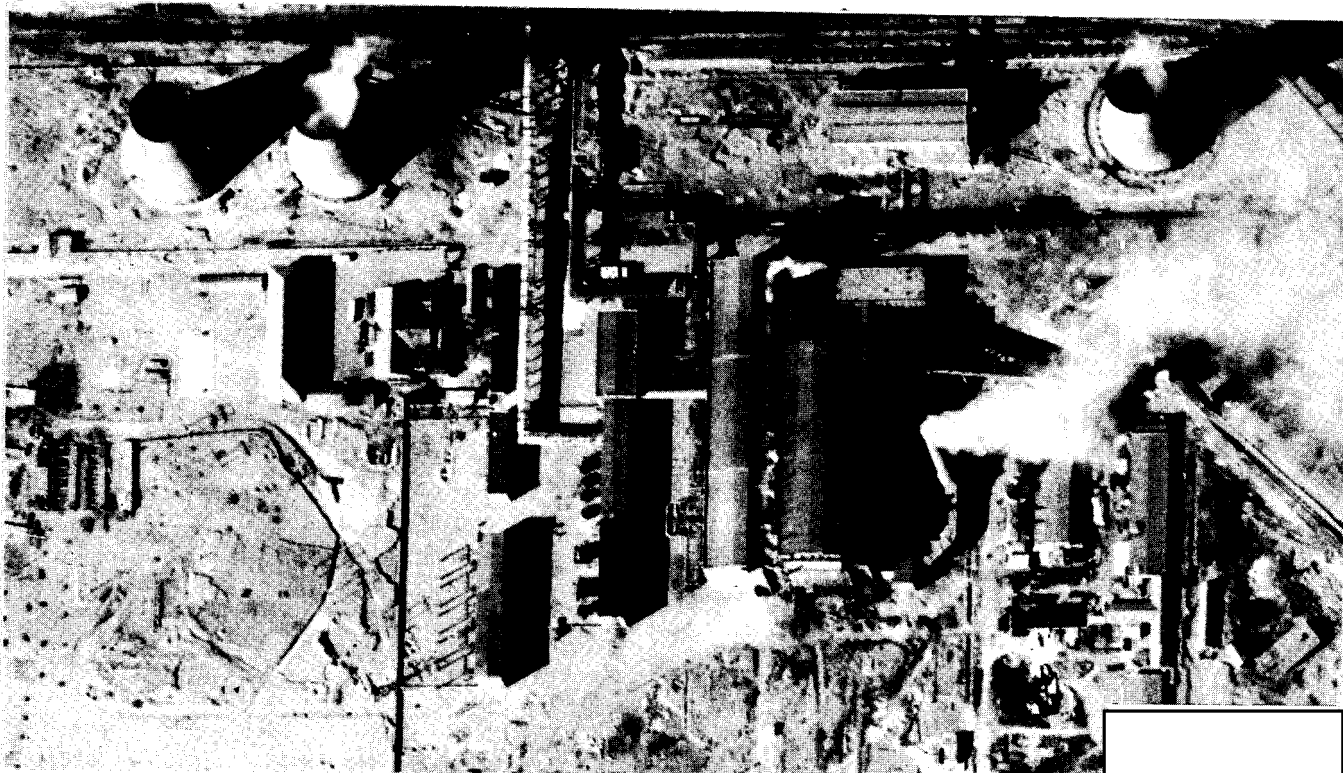
The boiler house is equipped with four dust catcher units and is connected to a large single masonry stack by four sets of flues containing two ducts each. This is a good indication that four boiler units exist. The generator hall is apparently compartmented into three sections and linked to the larger of the two control houses by three sets of three-cable power leads, suggesting the presence of three operable turbines.

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PAO-TOU THERMAL POWER PLANT NO. 1



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## PAO-TOU THERMAL POWER PLANT NO. 1

PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	None	Moderate smoke from Stack A. Moderate vapor from cooling towers B and C.
	None	Moderate smoke from Stack A. Light vapor from cooling towers B and C.
	None	Moderate smoke from Stack A. Moderate vapor from cooling tower B. Light vapor from cooling tower C.
	None	Moderate smoke from Stack A. Light vapor from cooling tower B - others not seen due to heavy clouds.
	None	Moderate smoke from Stack A. Light vapor from cooling towers A, B and C.
	None	Moderate smoke from Stack A. Moderate vapor from cooling tower B. Possible light vapor from cooling towers A and C.

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PAO-TOU THERMAL POWER PLANT NO. 1

PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	None	Moderate smoke from Stack A. Heavy vapor from cooling tower A. Moderate vapor from cooling tower C.
	None	Moderate smoke from Stack A. Light vapor from cooling towers A, B and C.
	None	Moderate smoke from Stack A. Light vapor from cooling towers A, B and C.

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## PAO-TOU THERMAL POWER PLANT NO. 2

[ ] NPIC NUMBER - 13-G1 25X

The Pao-tou Thermal Power Plant No. 2 is located eight nm north-northwest of Pao-tou Airfield at coordinates 40 40 40N - 109 54 38E. The facility is coal operated, rail served, and includes two large natural draft cooling towers, a sub-station and control house containing two and possibly three transformers, an oil storage area and extensive coal handling and preparation buildings.

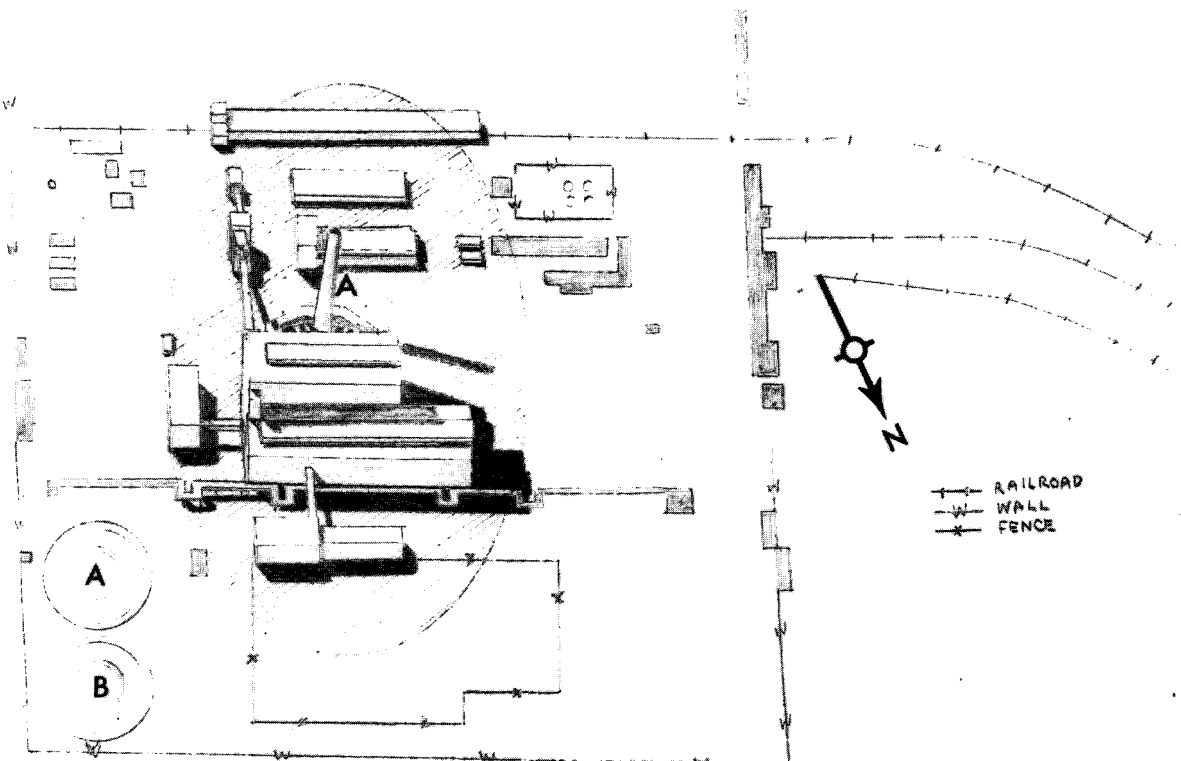
The boilerhouse is compartmented into two sections, each apparently capable of accommodating two boiler units. The presence of three sets of dust catchers and flues indicates that only three boiler units are installed and operable. The generator hall appears to consist of three bays, possibly indented to house one generator each. The two bays contiguous on the boilerhouse are each linked to the control house by one set of three-cable power leads.

No significant new construction has occurred within the 1963 through 1965 period, other than the completion of cooling tower B.

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PAO-TOU THERMAL POWER PLANT NO. 2



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## CIA IMAGERY ANALYSIS DIVISION

## PAO-TOU THERMAL POWER PLANT NO. 2

PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	Foundations for new cooling tower evident - no signs of eminent construction.	Moderate smoke from Stack A. Moderate vapor from cooling tower A.
	No apparent change (NAC) <div></div>	Moderate smoke from Stack A. Moderate vapor from cooling tower A.
	NAC	Moderate smoke from Stack A. Light vapor from cooling tower A.
	NAC	Heavy smoke from Stack A. Light vapor from cooling tower A.
	NAC	Moderate smoke from Stack A. Light vapor from cooling tower A.
	NAC	Moderate smoke from Stack A. Light vapor from cooling tower A.

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PAO-TOU THERMAL POWER PLANT NO. 2

PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	NAC	Heavy smoke and vapor from Stack A and cooling tower A.
	Cooling tower (B) 75% completed.	Heavy smoke from Stack A. Light vapor observed from cooling tower A.
	Cooling tower completed.	Moderate smoke from Stack A. Light vapor from cooling tower A.

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PAO-TOU THERMAL POWER PLANT NO. 3

The Pao-tou Thermal Power Plant No. 3 is located one nm northeast of Pao-tou Airfield at coordinates 40 34 41N - 110 01 20E. The plant is coal operated, rail served and includes one wooden octagonal cooling tower, a sub-station (no transformers apparent) and a number of unidentified support or storage buildings.

The boiler house probably contains three boiler units. This is indicated by the presence of three sets of probable dust catchers and three single flues connecting the powerhouse to the large masonry stack.

No leads could be detected between the generator hall and sub-station; however, the number and alignment of bus-bars and switching equipment may suggest the presence of as many as three or four power leads.

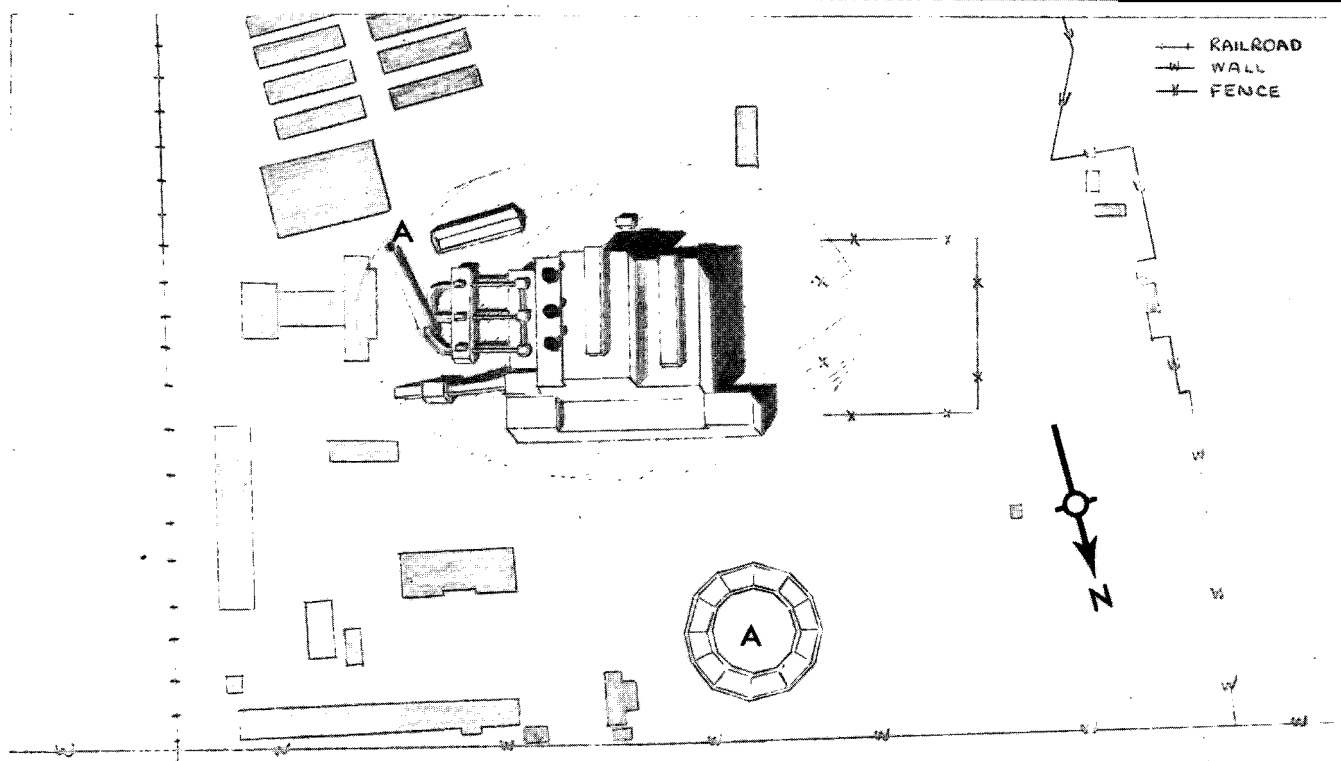
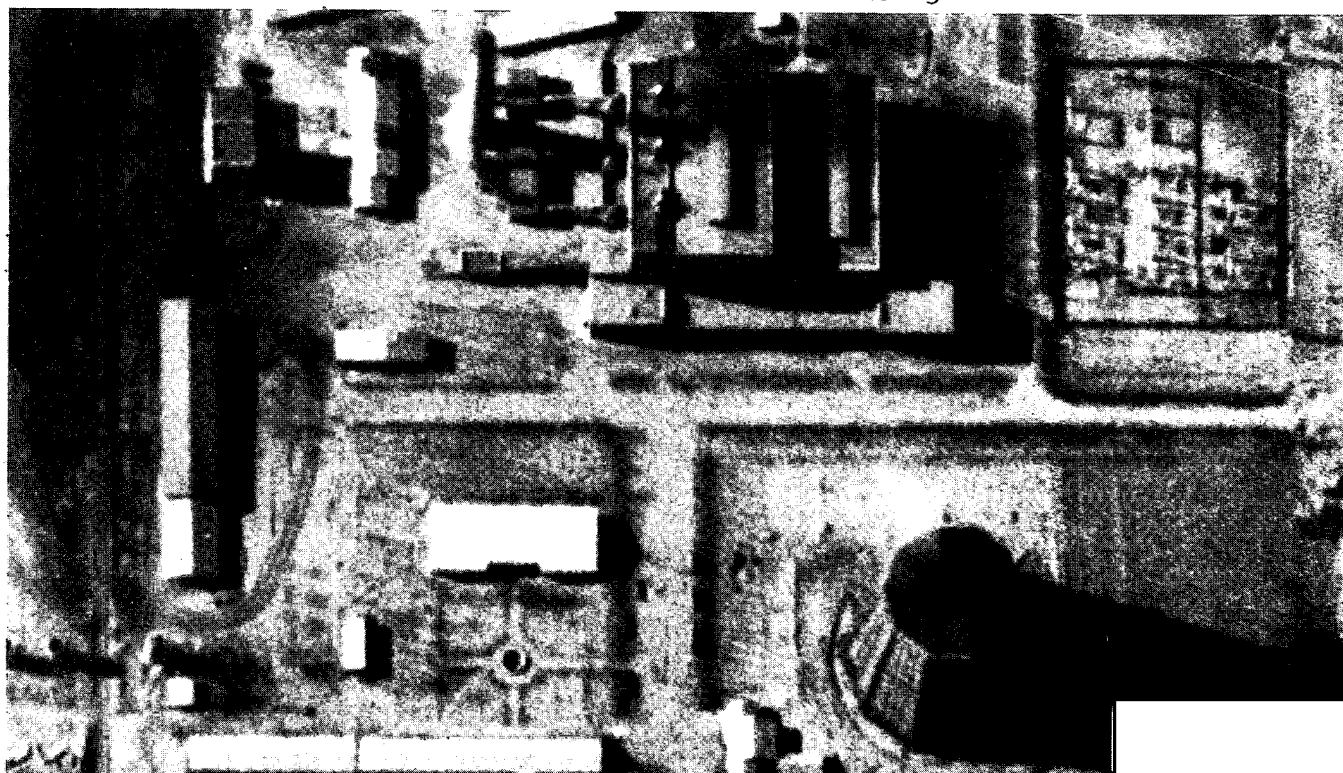
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PAO-TAO THERMAL POWER PLANT NO. 3



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PAO-TOU THERMAL POWER PLANT NO. 3

PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	None	Moderate smoke from Stack A. Light vapor from cooling tower A.
	None	Light smoke from Stack A. Light vapor from cooling tower A.
	None	Moderate smoke from Stack A. No apparent vapor from cooling tower A.
	None	No apparent smoke or vapor from Stack A or cooling tower A.
	None	No apparent smoke or vapor from Stack A or cooling tower A.
	None	Light smoke from Stack A. Light vapor from cooling tower A.

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CIA IMAGERY ANALYSIS DIVISION

PAO-TOU THERMAL POWER PLANT NO. 3

PHOTO DATA	CONSTRUCTION ACTIVITY	LEVEL OF PRODUCTION
	None	Moderate smoke from Stack A. Heavy vapor from cooling tower A.
	None	Moderate smoke from Stack A. Moderate vapor from cooling tower A.
	None	No smoke or vapor from Stack A or cooling tower A.

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